

glutamate-tRNA ligase

Cat. No. EXWM-5648

Lot. No. (See product label)

Introduction

Description This enzyme belongs to the family of ligases, to be specific those forming carbon-oxygen bonds in aminoacyl-tRNA and related compounds. This enzyme participates in 3 metabolic pathways: glutamate metabolism, porphyrin and chlorophyll metabolism, and aminoacyl-trna biosynthesis.

Synonyms glutamyl-tRNA synthetase; glutamyl-transfer ribonucleate synthetase; glutamyl-transfer RNA synthetase; glutamyl-transfer ribonucleic acid synthetase; glutamate-tRNA synthetase; glutamic acid translase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.1.1.17

CAS No. 9068-76-2

Reaction $\text{ATP} + \text{L-glutamate} + \text{tRNAGlu} = \text{AMP} + \text{diphosphate} + \text{L-glutamyl-tRNAGlu}$

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.